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6/34/1 (Item 1 from file: 351)

007797646

WPI Acc No: 1989-062758/198909

**Improvement of baked goods to be heated by microwaves - by
incorporating crosslinked starch(es) that are also chemically modified
e.g. acetylated**

Patent Assignee: KRAFT GEN FOODS INC (KRFT); GENERAL FOODS CORP (GENO)

Inventor: BENJAMIN E J; CIPRIANO V L; COCHRAN S A; CROCKER M E; SEIDEL W C

Number of Countries: 008 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 305105	A	19890301	EP 88307606	A	19880817	198909 B
JP 1071433	A	19890316	JP 88211548	A	19880825	198917
US 4885180	A	19891205	US 8789643	A	19870826	199006
EP 305105	B1	19920805	EP 88307606	A	19880817	199232
DE 3873450	G	19920910	DE 3873450	A	19880817	199238
			EP 88307606	A	19880817	
ES 2034249	T3	19930401	EP 88307606	A	19880817	199323
CA 1328191	C	19940405	CA 575346	A	19880822	199419

Priority Applications (No Type Date): US 8789643 A 19870826

Cited Patents: 5.Jnl.Ref; A3...8941; FR 2318594; No-SR.Pub; US 1953332; US 4560559; WO 8806007

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 305105	A	E	9		

Designated States (Regional): DE ES FR GB IT

US 4885180	A	5
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EP 305105	B1	E	10	A21D-002/18
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Designated States (Regional): DE ES FR GB IT

DE 3873450	G	A21D-002/18	Based on patent EP 305105
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ES 2034249	T3	A21D-002/18	Based on patent EP 305105
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CA 1328191	C	A21D-002/18
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Abstract (Basic): EP 305105 A

Baked good for cooking by microwaves are improved by incorporating in them a chemically-modified starch (I). (I) are not modified starches which are crosslinked only. Pref. the goods contain 5-30%, esp. 8-15 baker's (I). Prefd. (I) are acetylated, hydroxypropylated, succinylated, or propylated starches, or mixts. where the starch is derived from corn, wheat, rice, or esp. potato (or mixts.).

USE/ADVANTAGE - Incorporating the chemically-odified starches into the baked goods affords prods. which retain their palatability on microwave heating. The prods. may be refrigerated, frozen (and heated without being thawed), or shelf-stable.

0/0

Abstract (Equivalent): EP 305105 B

A process for production of a shelf stable, refrigerated or frozen farinaceous baked good having a crust and a crumb characterised in that, in order to improve the palatability of said baked good upon microwave reheating, there is incorporated into the batter or dough used to prepare the baked good up to 30 baker's percent of a food acceptable, chemically modified starch with the exception of a chemically modified starch which is cross linked only. (Dwg.0/0)e
Abstract (Equivalent): US 4885180 A

Shelf stable, refrigerated or frozen baked good contains a chemically modified starch, except modified starches which are crosslinked only, in the batter or dough of the baked dough, to reduce deterioration of the palatability of the baked good upon microwave reheating. The reheated baked good closely resembles a freshly baked prod.

The modified starches are pref. potato, corn, wheat and/or rice. The baked good is frozen and microwave heated without defrosting or thawing.

USE - Palatable bread and roll prods. can be obtd. (5pp)H
Derwent Class: A11; D11
International Patent Class (Main): A21D-002/18
International Patent Class (Additional): A21D-006/00; A21D-008/02;
A21D-008/06

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☐ 2.

6/34/2 (Item 2 from file: 345)

8573645

Basic Patent (No,Kind,Date): EP 305105 A2 19890301

PATENT FAMILY:
CANADA (CA)

Patent (No,Kind,Date): CA 1328191 A1 19940405
MICROWAVEABLE BAKED GOODS (English; French)
Patent Assignee: GEN FOODS CORP (US)
Author (Inventor): COCHRAN STUART A (US); BENJAMIN EARL J (US);
CROCKER MARY E (US); SEIDEL WILLIAM C (US); CIPRIANO VICKI L (US)
Priority (No,Kind,Date): US 89643 A 19870826
Applic (No,Kind,Date): CA 575346 A 19880822
National Class: * D10990119 M
IPC: * A21D-002/18; A21D-008/06; A21D-006/00
CA Abstract No: * 111(19)172755B
Derwent WPI Acc No: * C 89-062758
Language of Document: English

GERMANY (DE)

Patent (No,Kind,Date): DE 3873450 C0 19920910
MIT MIKROWELLEN ZUBEREITBARE BAECKEREIPRODUKTE. (German)
Patent Assignee: GEN FOODS INC (US)
Author (Inventor): COCHRAN STUART ALLAN (US); BENJAMIN EARL JAMES
(US); CROCKER MARY ELIZABETH (US); SEIDEL WILLIAM CHARLES (US);
CIPRIANO VICKI LEE (US)
Priority (No,Kind,Date): US 89643 A 19870826
Applic (No,Kind,Date): EP 88307606 A 19880817
IPC: * A21D-002/18; A21D-008/06
CA Abstract No: * 111(19)172755B

Derwent WPI Acc No: * C 89-062758
Language of Document: German
Patent (No,Kind,Date): DE 3873450 T2 19921203
MIT MIKROWELLEN ZUBEREITBARE BAECKEREIPRODUKTE. (German)
Patent Assignee: GEN FOODS INC (US)
Author (Inventor): COCHRAN STUART ALLAN (US); BENJAMIN EARL JAMES
(US); CROCKER MARY ELIZABETH (US); SEIDEL WILLIAM CHARLES (US);
CIPRIANO VICKI LEE (US)
Priority (No,Kind,Date): US 89643 A 19870826
Applic (No,Kind,Date): EP 88307606 A 19880817
IPC: * A21D-002/18; A21D-008/06
CA Abstract No: * 111(19)172755B
Derwent WPI Acc No: * C 89-062758
Language of Document: German

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 305105 A2 19890301
MICROWAVEABLE BAKED GOODS (English; French; German)
Patent Assignee: GEN FOODS CORP (US)
Author (Inventor): COCHRAN STUART ALLAN; BENJAMIN EARL JAMES; CROCKER
MARY ELIZABETH; SEIDEL WILLIAM CHARLES; CIPRIANO VICKI LEE
Priority (No,Kind,Date): US 89643 A 19870826
Applic (No,Kind,Date): EP 88307606 A 19880817
Designated States: (National) DE; ES; FR; GB; IT
IPC: * A21D-002/18; A21D-006/00
CA Abstract No: ; 111(19)172755B
Derwent WPI Acc No: ; C 89-062758
Language of Document: English

Patent (No,Kind,Date): EP 305105 A3 19891011
MICROWAVEABLE BAKED GOODS (English; French; German)
Patent Assignee: GEN FOODS CORP (US)
Author (Inventor): COCHRAN STUART ALLAN; BENJAMIN EARL JAMES; CROCKER
MARY ELIZABETH; SEIDEL WILLIAM CHARLES; CIPRIANO VICKI LEE
Priority (No,Kind,Date): US 89643 A 19870826
Applic (No,Kind,Date): EP 88307606 A 19880817
Designated States: (National) DE; ES; FR; GB; IT
IPC: * A21D-002/18; A21D-008/06
Derwent WPI Acc No: * C 89-062758
Language of Document: English

Patent (No,Kind,Date): EP 305105 B1 19920805
MICROWAVEABLE BAKED GOODS (English; French; German)
Patent Assignee: GEN FOODS INC (US)
Author (Inventor): COCHRAN STUART ALLAN (US); BENJAMIN EARL JAMES
(US); CROCKER MARY ELIZABETH (US); SEIDEL WILLIAM CHARLES (US);
CIPRIANO VICKI LEE (US)
Priority (No,Kind,Date): US 89643 A 19870826
Applic (No,Kind,Date): EP 88307606 A 19880817
Designated States: (National) DE; ES; FR; GB; IT
IPC: * A21D-002/18; A21D-008/06
CA Abstract No: * 111(19)172755B
Derwent WPI Acc No: * C 89-062758
Language of Document: English

SPAIN (ES)

Patent (No,Kind,Date): ES 2034249 T3 19930401
ARTICULOS COCIDOS EN HORNO PARA RECALENTAR EN MICROONDAS. (Spanish)
Patent Assignee: GEN FOODS INC
Author (Inventor): COCHRAN STUART ALLAN (US); BENJAMIN EARL JAMES
(US); CROCKER MARY ELIZABETH (US); SEIDEL WILLIAM CHARLES (US);

CIPRIANO VICKI LEE (US)
Priority (No,Kind,Date): US 89643 A 19870826
Applic (No,Kind,Date): ES 88307606 EP 19880817
Addnl Info: 305105 EP patent valid in AT
IPC: * A21D-002/18; A21D-008/06
CA Abstract No: * 111(19)172755B
Derwent WPI Acc No: * C 89-062758
Language of Document: Spanish

JAPAN (JP)

Patent (No,Kind,Date): JP 1071433 A2 19890316
BAKED PRODUCT WHICH CAN BE HEATED BY MICROWAVE (English)
Patent Assignee: GEN FOODS CORP
Author (Inventor): SUCHIYAAATO ARAN KOKURAN; AARU JIEEMUSU BENJIYAMIN;
MEARII ERIZABESU KUROTSUKAA; UIRIAMU CHIYAARUZU SEIDERU; BUIITSUKII RII
SHIPURIARU
Priority (No,Kind,Date): US 89643 A 19870826
Applic (No,Kind,Date): JP 88211548 A 19880825
IPC: * A21D-006/00; A21D-008/02
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 4885180 A 19891205
MICROWAVEABLE BAKED GOODS (English)
Patent Assignee: GEN FOODS CORP (US)
Author (Inventor): COCHRAN STUART A (US); BENJAMIN EARL J (US);
CROCKER MARY E (US); SEIDEL WILLIAM C (US); CIPRIANO VICKI L (US)
Priority (No,Kind,Date): US 89643 A 19870826
Applic (No,Kind,Date): US 89643 A 19870826
National Class: * 426241000; 426549000; 426653000
IPC: * A21D-006/00
Derwent WPI Acc No: * C 89-062758
Language of Document: English

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